

7 de juliol de 2015

11:30 h a l'Auditori
Centre de Recerca Matemàtica
C3b/-110, Edifici C, Campus Bellaterra

(hi haurà un cafè a les 11 del matí)



COL · LOQUI CRM

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Challenges and opportunities using Statistical Mechanics modeling in the industrial world

Abstract:

Mathematical and computer skills, an inquisitive mind, imagination, intuition and the ability to work independently are important traits developed and exercised in Physical Sciences (and Mathematics) studies. Physicists and mathematicians are trained to deal with various physical challenges that they will find in the professional world, even though they may not be conscious of this. Indeed, in most industries and many companies, there are activities firmly based in scientific knowledge, and, therefore, there is a need for physicists and mathematicians with the right skills. However, it is also important to be prepared to deal with these problems in an environment very different than the academic where one is usually trained. We will first provide an overview on how having the right physics with the adequate level of approximations can lead to an accurate modeling tool for engineering purposes.